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PN - JP2162251 A 19900621
PD - 1990-06-21
PR - JP19880317402 19881215
OPD - 1988-12-15
TI - CHROMATOGRAPH MASS SPECTROMETER
IN - NAGATO KENKICHI
PA - SHIMADZU CORP
IC - G01N27/62

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TI - Liq. chromatograph mass spectrometer - in which ionising chamber is connected to liq. chromatograph and an ion activation chamber contg. sufficient concn. of neutral gas
PR - JP19880317402 19881215
PN - JP2162251 A 19900621 DW199031 000pp
PA - (SHMA) SHIMADZU SEISAKUSHO KK
IC - G01N27/62
AB - J02162251 The spectrometer comprises a liq. chromatograph in which an ionising chamber is connected to the liq. chromatograph and an ion activation chamber contains sufficient concn. of neutral gas mol. capable of activating the ion by collision between the ionising chamber and the analyser of a mass spectrometer.
- Pref. the appts. comprises a liq. chromatograph column (1); and ionising chamber (2) having a vaporiser (21) and an ion outlet (22) and maintained at several Torr; electrodes for accelerating ion withdraw (3); an ion activation chamber (4) maintained at a lower pressure than that of the ionising chamber; an analyser of a mass spectrometer (5); an ion detector (6); an electric source (7); and a CPU (8).
- USE/ADVANTAGE - In the ion activation chamber, the accelerated mol. ion collides with neutral mol. to form several fragment ions, therefore the spectrometer enables measuring mass spectra of fragment ions which was difficult in the prior art in LC/MS. Also, alternation between measurement of molecular spectra and fragment spectra is easy.
- (Dwg.1/3)
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